

SEQ. ID. NO.:1

AAGCTTAATTGGGGGCCAAGTAGACAGCAGGACATTTCAGTGTGCCTTGTTTCCTTTGTCTTTTGGCTCCA  
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TGAGCCTATTGGCCCCACAGCTCTCAGGAGCAAGAGTGATGTACAGGACATTGTGAGCAAGAAGTGGGT  
GCTGCAAACTGCATAACCCCCCTCTACCGGCAAGACACCGAGTGCTCACACAGAGCTTACTCGTAGGAC  
TTGCCAGCTGGTTAAGACACACCCTGCCATTTTCTCTAACAAGCAGGAGTTCAGTTCAGTTCACAGGGAT  
GGGGTGGGACCAGGATGGCCACTTTGATCACATGGGAGGGGCGTGGTGTGTGTCAGTTAGGAACAAAGTC  
TCCCCCTATTTAAGTCCAGCGCTCTGTGCTTTAGTTGATCCCTGGTGTCTCGTGTCTTTGTCTGCTGCTG  
TCCCGCCACCAGCCCCAGCCATGCAGGGACCCTGGGTGCTGCTGCTGCTGGGCCTCAGGCTACAGCTGTC  
CCTTAGTGTCATTCCAGGTAATGAGGCTCCTTCCAATGAACACCCCATTTCCACCCATGGACCCCTTCATG  
CTGACCCCTTCTCTGTCTATTCCCTTGGCCAGTGAGGAGGAGAACCCGGCCTTCTGGAACAAGAAGGCAG  
CCGAGGCCCTGGATGCTGCCAAGAAGCTGCAGGCCATTTCAGACATCAGCTAAGAACCCTCATCATCTTCCT  
GGGTGACGGTGAGTGTGTGAGCGAGGCCTGCCACCCTGGGGCCCTTGTAACCAAGTACCCAGGGCCACT  
GGTGGGTACGGACAGGCCTCAGGGTTCAGTCTGACGAGGTTCGTCTCCTTCAGGAATGGGGGTACCAAC  
AGTGACAGCCACCAGGATCCTAAAGGGACAGTTGGAAGGTCATCTAGGACCTGAGACACCCCTAGCCATG  
GACCGCTTCCCATATATGGCTCTGTCCAAGGTGAGTTCCTTAGCCACATCTGAAATGACTGATGGGATCCA  
GGGCAAGGGAGGCAGAGAGGCTCGGGTGAAGAAATAAATGTCTGCTTTGAGCCCAGTTGGGGTGTCTCTG  
TCCCCAGACATACAGTGTGGACAGACAGGTTCCAGACAGTGCAAGCACGGCCACCGCCTACCTGTGTGGG  
GTCAAGACCAACTACAAGACCATCGGCTTGAGTGACGCCGCGAGATTTCGACCAGTGCAACACCACATTTG  
GCAATGAGGTCTTCTCAGTGATGTACCGTGCCAAGAAAGCAGGTGAGTTGGAGCCAGGCTCAGCTATGGG  
GGGCAAGCCTAGGGGACTGGATGTCTCACCCCTGACCTTTGCCGTCTTCAGGAAAATCCGTAGGTGTGGTG  
ACCACCACCAGAGTGACAGCACGCTCTCCCTCGGGCACATATGTTACACAGTGAACCGCAATTGGTATG  
GGGATGCTGACATGCCTGCCTCTGCGCTGCGGGAAGGTTGCAAGGACATTGCTACACAATCATCTCCAA  
CATGGACATTAATGTAAGGATAAGCATGTCAAAGGGAGAGGGTAAGGGGAGGGAGAGGAGGAGAAGGAGG  
GGGAGGGAGGGGAGGTGAGGGGGTCAAGGGGGGAAGGGGTGGTCCCAGGCAAACCTTGTAAGTGAAC  
TCCCTGGATCTTCTGGGGTCTTTGAGGGCCGGGTAGTTTCAGTTCCCACATACCTGGTGAGGAGCTAGGGA  
CTGGCAGGAAAAGGAGGCAGAAGACAACCTAAAGTTCACCTTCCTTCATCCTCTCTGACCACAGGTGATC  
CTTGGTGGGGGGCGAAAATACATGTTTCCCTGCTGGAACCCCGAGCCCCGAGTATCCAAATGATGCTAATG  
AGACTGGAACAGATGGATGGCAGGAATCTGGTGCAAGGAATGGCTGTCAAAGCACCAGGTGACCGACTG  
CAGAATATTAGTGATACAGTGGAGACCAGGGAAGGGCTTTGAACCTTACCAGTTGCTTATGTCCCTCTAG  
GGATCCCAGTATGTTTGGAAATCGTGAACAATCATTCAGAAGGCCAGGATCCGTCAGTGACATACCTCA  
TGGGTAATGGCCCCACACTTCTGCACTGGTACACCTCACATGGCAACCACTGATCCTCTGTGTATATAT  
GTACCGTGACCCCACTGCCAAGCTTGGTGGTCAACAGTATATATTTTGGTTTTGTACCTCAGGCCTCTTT  
GAGCCTGTAGACACAAAATTTGATATTCAACGAGATCCCCTGATGGACCCATCTCTGAAGGATATGACAG  
AGACGGCCGTGAAAGTGCTAAGCAGGAACCCCAAAGGCTTTTATCTCTTTGTGGAGGGTGAGTCTCCAAG  
CTCCCATGGAAAGAGGGGACAATGGACAGGGACAGGCTCAAGCTCACTGGCTTCTGTCAGGGGGCCGAAT  
CGACCGTGGTCAACATCTGGGCACAGCTTATCTGGCGTGACTGAGGCTGTGATGTTGACTTAGCCATC  
GAGAGGGCCAGCCAGCTCACTAGTGAACGCGACACTCTGACCATAGTCACTGCTGACCACTCCCATGTCT  
TCTCCTTTTGGTGGCTACACACTTCGAGGGACCTCCATCTTCGGTAGGTTCCGGGAACAGTGGCAGGCTGTC  
AATTACGTACAGAATACTTCTGAGCCATCGTTTCTCTGTCTGTAAAATGGACAGAAATGGCACCTGCCT  
TGTGGGGATCTAGCAACGACTGAACCACTGGCCAGGCAAAAGCGGGGGCTCGTCTAAGCATCATTTCTTG  
GCAGGAAAAGTGTCCTCTTCCCCCATGCAGGGCTGGCTCCCCTCAATGCTCTGGACGGCAAGCCCTAC  
ACCTCCATCCTGTATGGCAACGGCCCAGGCTATGTGCTGACAGGGGAAAGACCCAACGTCACCGCCGCTG  
AAAGCAGTGAGTGCGGTGGGGTGGCTTGCTGAAGGTGCGGTAGAGGTGACTCAGATCAGAGTCTCTCC  
CTTAACATCTTGTCCCTACCAGGTGGCTCATCGTACCGCAGGCAGGCTGCTGTGCCGGTGAAGTCGGAGA  
CCCACGGCGGGGAGGACGTGGCGATATTGCGCGTGGCCCCGAGGCGCACTTGGTGACGGGGTGCAGGA  
GCAGAATACTACGCGCACGTGATGGCCTCTGCAGGCTGCCCTGGAGCCCTACACCGACTGCGGCTTGGA  
CCCCCTGCAGATGAAAGCCAGACCACCACGACAACCCGCCAGACCACCATCACCACCACCACCACCA  
CCACCACCACAACCACCCCGGTCCATAACAGCGCCAGAAGCCTGGGGCCAGCCACCGCCCCGCTGGCTCT  
GGCGCTGCTGGCCGAATGCTGATGCTACTACTAGGGGCTCCTGCGGAGTCTAACTCCAGCACATCTA  
GGCTCCACCCACTAGGTCCCACGCCCTCACCTGGTCCTTCCCTTCCCTGACCTCAGTGCTCCCTGCATTC

FIGURE 1A

TCGTCGCTAGCCCTACCTT

TCCCTGCGGGCTCTACCCCAGGATCCTCTCTCTGTCTTTCTGCTACTGGCCTCATGTCTAGCCCTACCTT  
GCATTGCAGCTTCCAGGTTCCCTCCTACCCAGGCACTCACAAAGGCCAATCACCTCTGAGCTAGCAGCCAG  
CCTCAGACCCACAGAGTTACTTCTCCCCAGGCAGCATGACCACCAAGGCCCTGGACCTCCCGGGGCAAT  
CCGGACTCTCCTTTTGGCCCTCATCCATCAGCCCCCTAGAAAAAGATAGGATCCCGCAATAATTTGTGGAGG  
ACCAAACATGCACCTGCCCCATTGGCACTTCTCCGAGCTTGAATCCATCTTACAGGCTCTGTACCCAGGA  
CTAAGGCACAAGAGAACACAGAGAGAGGCTGTCTTCCCACTACTCCTCGGTCTAATCTGCTGGCAGGTGG  
CAAGGCTACGGTGCTGGGTACCCCTAGCCAGCCTTTGACATAGTTCTTCCCTCGATGTCTCTGGACCAGCTC  
CACATTCAAAACCATCATGGCTCAGCCATACCAACCCACAGAGCGAAGATTCTGAAATCGTTCAGCCCTT  
TCATGTCTATTGCCCAGCTAGGAGATTCAAAGAGCTGTACCCACCCCACTCTCAGGTCATCTCAGGTTG  
CACCTAAATTTCTGAACTGAGAAAAGTCCCTAACTTCCCAGGTCTGCATTCCCCTGGGGAGAGTCAAGTC  
AATAATAAAAAGAAATGTATTCAATACAATAGCAATAGTCATTTTCTTTTCTTTCGGCTCAAAACCAGAGCC  
TAGTGCCTGCTAGGAACGTGCTCTGCCACTGATCCATAGCCCCATATCATCTCCTCCCCCTCCCCCTCTCCT  
CCTCCCTCTTCTCCTTCCCCCTCCTCCTCCTATGACTCTGTAGCCCAAGCTGGCCTCAAATTTATGACAGT  
CCACTTGCTACAGTCTCCCAGATGCTGGATTTTAAAGTGTGAGCCACACTCCTAGCATCTTAGTAGGACCT  
TTGCAGAAGGAAAGCCTGAAGTGCTGGAGCACTGAGTTCAGATGGGGGAGGGTAATAGTGGAGCCTCA  
GTTGGAGAGAGACAGCCAGCTGAGCAAGATCCTGAATGAGGTGAAGGCCTGAGCCAACACCACACAGCAG  
TGCTAATCCCCCAGGGCCAGCGATCAGCTGGAAGGTTGCAACGACTGGGTGAGAGAGGGTGGCT  
GGGACAGAGGATGCAAAGCTGGAGCTGCAAGGAGCTGTGGGAGGAGAGGAAGAATTTAAAATCCATGGC  
AGTGTGGTCACAAGCCTTTGAATAAGAATTCAGGACGTGGTACTTTTTCTATTGCAGGAAATATGCAATC  
TTTTCCCTTTTTTCTGTTTTTTTTTCCATGGGGGGTGGGAATGGGTGTTAGATATAGGAGCTGGTCA  
GCCAGAGGGGAGATGCAGACCCTAACCATCTCTGACTTGCATTGGAACCTGGTGGAGCACCACCCAGTA  
TAGTTCTTGGCCCTGTCTAACCTGCCAATGAGGACATTTGAAGGAATTACGTAAAGGTGGATTAAGCT  
GTGTTTCTCAGTAAGTTTTGCAACACTACAAATTTATCTGTACATTTATGAAGGTACAAAACACACTTT  
GCTCCCACTAGTAATATTAGGAAGATTGAATATGCATCCTTATTTGCTAAAATCTTGATTTAACACTGTG  
AAACATCAATTTCGAAATCTTGGCTCTCGGAGTAGTTTATTTCAATTCCGGATTTTAGTGGCTGTCGAGAA  
AATATGGGAGCTGAATGGAAAAAGGCCATCGTTAACAAAGCTT

SEQ. ID. NO.:2

MQGPWVLLLLGLRLQLSLSVIPVEENPAFWNKAAEALDAAKKLQPIQTSAKNLIIFLGDGMGPVPTVTAT  
RILKGQLEGLHPETPLAMDRFPYMALSKTYSVDRQVPDSASTATAYLCGVKTNKYKTIGLSAAARFDQCNT  
TFGNEVFSVMYRAKKAGKSVGVVTTTRVQHASPSGTIVHTVNRNHWYGDADMPASALREGCKDIATQLISNM  
DINVILGGGRKYMFPAGTPDPEYPNDANETGTRLDGRNLVQEWLSKHQGSQYVWNREQLIQKAQDPSVTYL  
MGLFEPVDTKFQDIQRDPLMDPSLKDMTETAVKLSRNPKEFYLFVEGGRIDRGHHLGTAYLALTEAVMFDL  
AIERASQLTSERDTLTIVTADHSHVFSFGGYTLRGTSIFGLAPLNALDGKPYTSILYGNPGPYVGTGERPN  
VTAAESSGSSYRRQAAVPVKSETHGGEDVAIFARGPQAHVHGVQEQNYIAHVMAAGCLEPYTDCGLAPP  
ADESQTTTTTRQTTITTTTTTTTTTTTTTPVHNSARSLGPATAPLALALLAGMLMLLLGAPAES

FIGURE 1B

Underlined = deleted in targeting construct

**Bold** = sequence flanking Neo insert in targeting construct

AAGCTTAATTGGGGGCCAAGTAGACAGCAGGACATTTCAGTGTGCCTTGTTTCCTTTGTCT  
TTTGGCTCCAGGTATCAGCAAGCCAAACAAAGGCCCTCATCTAAGCTGTGTTCTTCAGG  
CCTACCTCCAGCGCCAGAAATGAGCCTATTGGCCCCACAGCTCTCAGGAGCAAGAGTGA  
TGTACAGGACATTGTGAGCAAGAAGTGGGTGCTGCAAACTGCATAACCCCCCTCCTACCG  
GCAAGACACCGAGTGTCTCACACAGAGCTTACTCGTAGGACTTGCCAGCTGGTTAAGACAC  
ACCTTGCCATTCTCTTAACAAGCAGGAGTTTCAGTTTCAGTTTCACAGGGATGGGGTGGGAC  
CAGGATGGCCACTTTGATCACATGGGAGGGGCGTGGTGTGTGTCAGTTAGGAACAAAGTC  
TCCCCCTATTTAAGTCCAGCGCTCTGTGCTTTAGTTGATCCCTGGTGTCTCGTGTCTTTG  
TCTGTGCTGTCCCCGCCACCAGCCCCAGCCATGCAGGGACCTTGGGTGCTGCTGCTGCTG  
GGCCTCAGGCTACAGCTGTCCCTTAGTGTTCATTCAGGTAATGAGGCTCCTTCCAATGAA  
CACCCCATTTCCACCCATGGACCTTTCATGCTGACCTTCCCTCTGCTATTCCCTTGGCCA  
GTGGAGGAGGAGAAACCCGGCCTTCTGGAACAAGAAGGCAGCCGAGGCCCTGGATGCTGCC  
AAGAAGCTGCAGCCCATTCAGACATCAGCTAAGAACCTCATCATCTTCTTGGGTGACGGT  
GAGTGTGTGAGCGAGGCCTGCCACCTTGGGGCCCTTGTACTCCAAGTACCCAGGGCCACT  
GGTGGGTACGGACAGGCCTCAGGGTTTCAGTCTGACGAGGTTCTGCTCCTTCAGGAATGG  
GGGTACCAACAGTGACAGCCACCAGGATCCTAAAGGGACAGTTGGAAGGTCATCTAGGAC  
CTGAGACACCCCTAGCCATGGACCGCTTCCCATATATGGCTCTGTCCAAGGTGAGTTCTT  
AGCCACATCTGAAATGACTGATGGGATCCAGGGCAAGGGAGGCAGAGAGGCTCGGGTGAA  
GAAATAAATGCTGCTGCTTTGAGCCAGTTGGGGTGTCTCTGTCCCCAGACATACAGTGTGG  
ACAGACAGGTTCCAGACAGTGCAAGCACGGCCACCGCCTACCTGTGTGGGGTCAAGACCA  
ACTACAAGACCATCGGCTTGAGTGCAGCCGCGAGATTCGACCAGTGCAACACCACATTTG  
GCAATGAGGTCTTCTCAGTGATGTACCGTGCCAAGAAAGCAGGTGAGTTGGAGCCAGGCT  
CAGCTATGGGGGGCAAGCCTAGGGGACTGGATGTCTACCCCTGACCTTTGCGCTCTTCAG  
GAAATCCGTAGGTGTGGTGACCAACCAGAGTGACAGACGCGCTCTCCCTCGGGACAT  
ATGTTTCACACAGTGAACCGCAATTGGTATGGGGATGCTGACATGCCTGCCTCTGCGCTGC  
GGGAAGGTTGCAAGGACATTGCTACACAACCTCATCTCCAACATGGACATTAATGTAAGGA  
TAAGCATGTCAAAGGGAGAGGGTAAGGGGAGGGAGAGGAGGAGAAGGAGGGGGAGGGAGG  
GGGAGGTCAGGGGGGTCAAGGGGGGAAGGGGTGGTCCCAGGCAAACCTTGTAGACTGAAC  
TCCCTGGATCTTCTGGGGTCTTTGAGGGCCGGGTAGTTTCAGTTCCACATACCTTGGTGAG  
GAGCTAGGGACTGGCAGGAAAGGAGGCAGAAGACAACCTAAAGTTACCTTCCCTTCATC  
CTCTCTGACCACAGGTGATCCTTGGTGGGGGGCGAAAATACATGTTTCTGCTGGAACCC  
CAGACCCCGAGTATCCAAATGATGCTAATGAGACTGGAACCAGATTGGATGGCAGGAATC  
TGGTGCAGGAATGGCTGTCAAAGCACCAGGTGACCGACTGCAGAATATTAGTGATACAGT  
GGAGACCAGGGAAGGGCTTTGAACCTTACCAGTTGCTTATGTCCCTCTAGGGATCCCAGT  
ATGTTTGAATCGTGAACAACCTCATTCAGAAGGCCAGGATCCGTCAGTGACATACCTCA  
TGGGTAATGGCCCCACACTTCCCTGCCTGACTGGTACACCTCACATGGCAACCACTGATCCTCT  
GTGTATATATGTACCGTGACCCCACTGCCAAGCTTGGTGGTCAACCAGTATATATTTTGGT  
TTTGTACCTCAGGCCTCTTTGAGCCTGTAGACACAAAATTTGATATTCACGAGATCCCC  
TGATGGACCCATCTCTGAAGGATATGACAGAGACGGCGTGAAAGTGCTAAGCAGGAACC  
CCAAAGGCTTTTATCTCTTTGTGGAGGGTGAGTCTCCAAGCTCCCATGGAAAGAGGGGAC  
AATGGACAGGGACAGGCTCAAGCTCACTGGCTTCCCTGCAGGGGGCCGAATCGACCGTGGT  
CACCATCTGGGCACAGCTTATCTGGCGCTGACTGAGGCTGTGATGTTCCGACTTAGCCATC  
GAGAGGGCCAGCCAGCTCACTAGTGAACGCGACACTCTGACCATAGTCACTGCTGACCAC  
TCCCATGTCTTCTCTTTGGTGGCTACACACTTCGAGGGACCTCCATCTTCGGTAGGTTT  
GGGAACAGTGGCAGGCTGTCAATTACGTACAGAATACTTCTGAGCCATCGTTTTCTCTGT  
CTGTAAAATGGACAGAAATGGCACCTGCCCTTGTGGGGATCTAGCAACGACTGAACCACTG  
GCCAGGCAAAAGGCGGGGGCTCGTCTAAGCATCATCTTGGCAGGAAAAGTGTCCCTCT  
TCCCCATGCAGGGCTGGCTCCCTCAATGCTCTGGACGGCAAGCCCTACACCTCCATCC  
TGTATGGCAACGGCCAGGCTATGTGCTACAGGGGAAAGACCCAACGTCACCGCCGCTG  
AAAGCAGTGAGTGGGTGGGGTGGCTTGGCTGAAGGTGGGTAGAGGTGACTCAGATCAG  
AGTCCCTCTCCCTTAACATCTTGTCCCTACCAGGTGGCTCATCGTACCGCAGGCAGGCTGC  
TGTGCCGGTGAAGTCGGAGACCCACGGCGGGGAGGACGTGGCGATATTCGCGCGTGGCCC  
GCAGGCGCACTTGGTGCACGGGGTGCAGGAGCAGAATACTACATCGCGCACGTATGGCCTC  
TGCAGGCTGCCTGGAGCCCTACACCGACTGCGGCTTGGCACCCCTGCAGATGAAAGCCA  
GACCACCAGACAACCCGCCAGACCACCATCACCACCACCACCACCACCACCACCACCAC  
AACCACCCCGGTCCATAACAGCGCCAGAAGCTGGGGCCAGCCACCGCCCGCTGGCTCT

FIGURE 2A

GGCGCTGCTGGCCGGAATGCTGATGCTACTACTAGGGGCTCCTGCGGAGTCCTAAACTCC  
 AGCACATCTAGGCTCCACCCACTAGGTCCCACGCCCTCACCTGGTCCTTCCCTTCCCTGA  
 CCTCAGTGCTCCCTGCATTCTCCCTGCGGGCTCTACCCCAGGATCCTCTCTCTGTCTTTC  
 TGCTACTGGCCTCATGTCTAGCCCTACCTTGCATTGCAGCTTCCAGGTTCCCTCCTACCCA  
 GGCATTCACAAAGGCCAATCACCTCTGAGCTAGCAGCCAGCCTCAGACCCACAGAGTTA  
 CTTCTCCCCAGGCAGCATGACCACCAAGGCCTTGGACCTCCCGGGGCAATCCGGACTCTC  
 CTTTTGCCCTCATCCATCAGCCCCCTAGAAAAAGATAGGATCCCGCAATAATTTGTGGAGG  
 ACCAAACATGCACCTGCCCATTGGCACTTCCCTCCGAGCTTGAATCCATCTTACAGGCTCT  
 GTACCCAGGACTAAGGCACAAGAGAACACAGAGAGAGGCTGTCTTCCCACTACTCCTCGG  
 TCTAATCTGCTGGCAGGTGGCAAGGCTACGGTGTGGGTACCCTAGCCAGCCTTTGACAT  
 AGTTCTTCCCTCGATGTCTCTGGACCAGCTCCACATTCAAACCATCATGGCTCAGCCATA  
 CCAACCCACAGAGCGAAGATTCTGAAATCGTTTACGCCCTTTCATGTCTATTGCCAGCTA  
 GGAGATTCAAAGAGCTGTACCCCAACCCACTCTCAGGTATCTCAGGTTGCACCTAAATT  
 TCTGAAGTGAAGAAAGTCCCTAAGTTCCTCAGGTCTGCATTCCCTGGGGAGAGTCAAGTC  
 AATAATAAAAGAATGTATTCAATACAATAGCAATAGTCATTTTCTTTTCTTCCGGCTCAA  
 AACCAGAGCCTAGTGCTGCTAGGAACGTGCTCTGCCACTGATCCATAGCCCCATATCAT  
 CTCTTCCCTTCCCT  
 AGCCCAAGCTGGCCTCAAATTTATGACAGTCCACTTGCTACAGTCTCCCAGATGCTGGAT  
 TTTAAGTGTGAGCCACACTCCTAGCATCTTAGTAGGACCTTTGCAGAAGGAAAGCCTGAA  
 GTGTCTGGAGCACTGAGTTCAGATGGGGGAGGGGTAATAGTGGAGCCTCAGTTGGAGAGA  
 GACAGCCAGCTGAGCAAGATCCTGAATGAGGTGAAGGCCTGAGCCAACACCACACAGCAG  
 TGCTAATCCCCCACCCCCAGGCCAGCGATCAGCTGGAAGGTTGCAACGACTGGGTCAGA  
 GAGGGTGGCTGGGACAGAGGATGCAAAGCTGGAGCTGCAAGGAGCTGTGGGAGGAGAGGA  
 AGAACTTTAAATCCATGGCAGTGTGGTCACAAGCCTTTGAATAAGAATTCAGGACGTGG  
 TACTTTTTCTATTGCAGGAAATATGCAATCTTTTCCCTTTTTTCTGTTTTTTTTTTCC  
 ATGGGGGGTGGGAATGGGTGTTAGATATAGGAGCTGGTCAGCCAGAGGGGAGATGCAGAC  
 CCTAACCATCTCTGACTTGCATTGGAACCTTGGTGGAGCACCACCCAGTATAGTTCTTGG  
 CCCCTGTCTAACCTGCCCAATGAGGACATTTGAAGGAATTACGTAAAGGTGGATTAAGCT  
 GTGTTTCTCAGTAAGTTTGAACACTACAAATTTATCTGTACATTTATGAAGGTACAAA  
 AACACACTTTGTCTCCCACTAGTAATATTAGGAAGATTGAATATGCATCCTTATTTGCTAA  
 AATCTTGATTTAACACTGTGAAACATCAATTCGAAATCTTGGCTCTCGGAGTAGTTTATT  
 TCAATTCGGGATTTTAGTGGCTGTGAGAAAATATGGGAGCTGAATGGAAAAGGCCATC  
 GTTAACAAAGCTT

FIGURE 2B

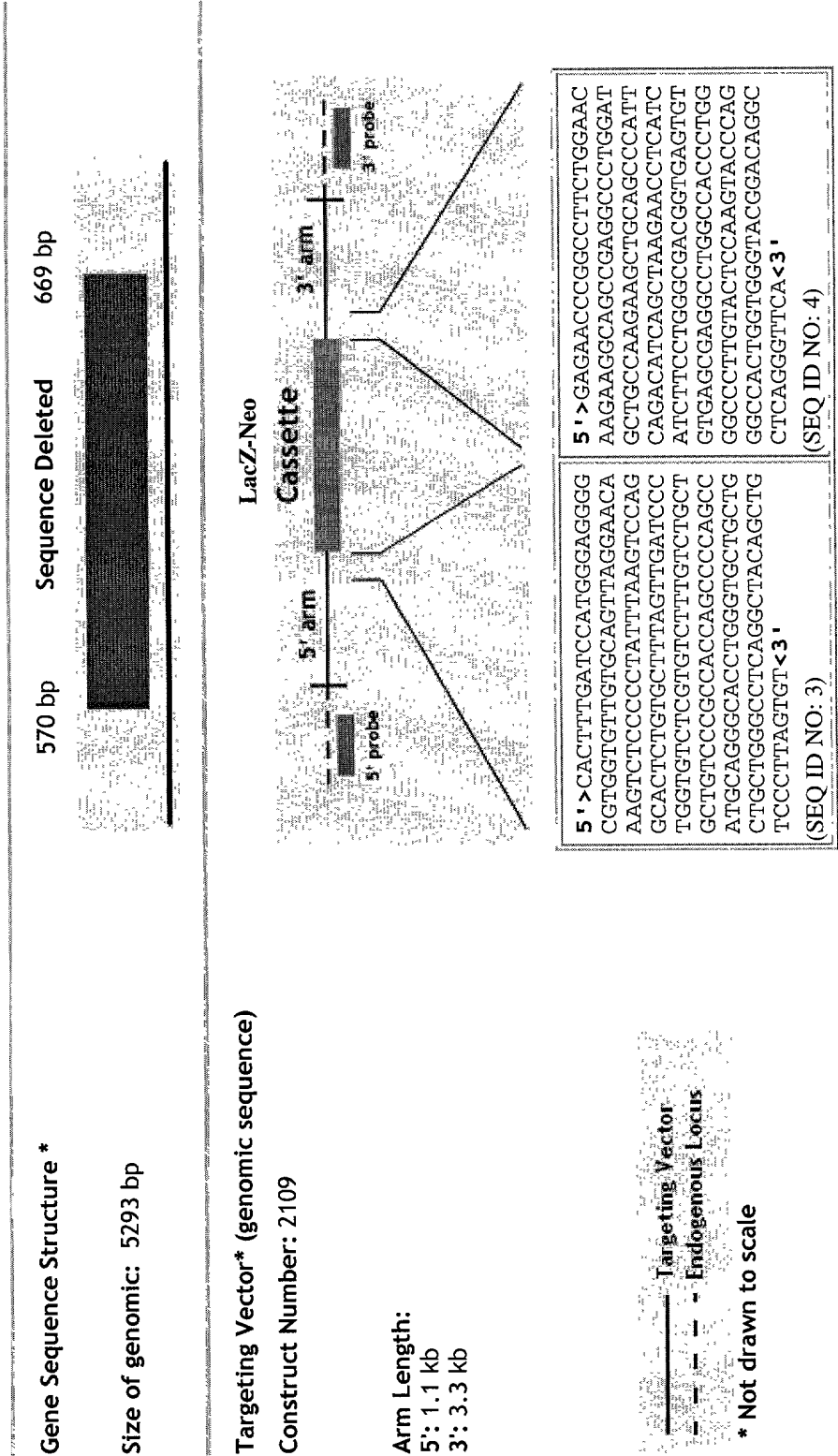


FIGURE 2C